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APPLICATION NO.	FILI	NG DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/987,991 11/16/2001		Bjorn Bengtsson	59589.000028 8043		
	7590	04/09/2003		•	
Scott D. Bald			EXAMINER		
Hunton & Wil 1900 K Street,	N.W.		не, амү		
Washington, DC 20006				ART UNIT	PAPER NUMBER
			. '	2858	
			DATE MAILED: 04/09/2003		

Please find below and/or attached an Office communication concerning this application or proceeding.

·							
Office Action Summary		Application No.	Applicant(s)				
		09/987,991	BENGTSSON, BJORN				
		Examiner	Art Unit				
		Amy He	2858				
The MAILING DATE of this communication appears on the cover sheet with the correspondence address Period for Reply							
THE I - External after - If the control of the cont	ORTENED STATUTORY PERIOD FOR REPLY MAILING DATE OF THIS COMMUNICATION. Insions of time may be available under the provisions of 37 CFR 1.15 SIX (6) MONTHS from the mailing date of this communication. In period for reply specified above is less than thirty (30) days, a reply or period for reply is specified above, the maximum statutory period were to reply within the set or extended period for reply will, by statute, reply received by the Office later than three months after the mailing and patent term adjustment. See 37 CFR 1.704(b).	36(a). In no event, however, may a reply be ti within the statutory minimum of thirty (30) da will apply and will expire SIX (6) MONTHS fron cause the application to become ABANDONI	mely filed ys will be considered timely. n the mailing date of this communication. ED (35 U.S.C. § 133).				
1)[Responsive to communication(s) filed on	<u> </u>					
2a)	This action is FINAL . 2b)⊠ Th	is action is non-final.					
3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.							
· ·	ion of Claims						
<i>'</i> —	Claim(s) <u>1-63</u> is/are pending in the application						
	4a) Of the above claim(s) is/are withdraw	vn from consideration.					
· · · · ·	Claim(s) is/are allowed.						
·	Claim(s) <u>1-63</u> is/are rejected.	•					
•	Claim(s) is/are objected to.						
	Claim(s) are subject to restriction and/o ion Papers	r election requirement.					
	•	r					
9) The specification is objected to by the Examiner. 10) The drawing(s) filed on 16 November 2001 is/are: a) accepted or b) objected to by the Examiner.							
10)[Applicant may not request that any objection to the						
11)[]	The proposed drawing correction filed on						
If approved, corrected drawings are required in reply to this Office action.							
12) The oath or declaration is objected to by the Examiner.							
Priority under 35 U.S.C. §§ 119 and 120							
13) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).							
a)	☐ All b)☐ Some * c)☐ None of:						
	1. Certified copies of the priority document	s have been received.	,				
	2. Certified copies of the priority document	s have been received in Applica	tion No				
 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. 							
	Acknowledgment is made of a claim for domesti						
a) ☐ The translation of the foreign language provisional application has been received. 15)☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.							
Attachmer	nt(s)						
2) Notice	ce of References Cited (PTO-892) ce of Draftsperson's Patent Drawing Review (PTO-948) rmation Disclosure Statement(s) (PTO-1449) Paper No(s)	5) Notice of Informa	ry (PTO-413) Paper No(s). I Patent Application (PTO-152)				

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DETAILED ACTION

Claim Objections

1. Claim 45 is objected to because it seems that it should depend from claim 44, instead of claim 34 as claimed. Correction is required.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

- (b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.
- 2. Claims 1-63 are rejected under 35 U.S.C 102 (b) as being anticipated by Beland (U. S. Patent No. 5, 966, 425).

Referring to claims 1 and 37, Beland discloses a voltage divider system (in Figure 8) comprising:

a high voltage impedance element/means (the series connected resistors R1, R2 and R3), connected to an input node (180) for receiving an input signal;

a low voltage impedance element/means (R4), connected to the high voltage impedance element (see Figure 8); and

at least one guard element/means (capacitor series 181), the at least one guard element being coupled between the high voltage impedance element and ground (column 15, lines 22-34).

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Referring to claim 55, Beland discloses a voltage divider (in Figure 8), comprising:

a plurality of series-connected high voltage resistors (R1, R2 and R3), the seriesconnected high voltage resistors connected to an input node (180) for receiving an input signal;

at least one low voltage resistive element (R4), the at least one low voltage resistive element connected to the series-connected high voltage resistors (see Figure 8); and

at least one capacitive guard (capacitor series 181), the at least one capacitive guard connected between the series-connected high voltage resistors and ground (see Figure 8).

Referring to claims 2 and 38, Beland discloses a sample node (see node in Figure 8) between the high voltage impedance element/means and the low voltage impedance element/means for sampling a reduced voltage representation of the input signal.

Referring to claims 3-4 and 39-40, Beland discloses a measurement device (current measuring apparatus 320 in Figure 1) connected to the sample node for sampling a current value.

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Referring to claims 5-7 and 41-43, Beland discloses that the high voltage impedance element/means comprises a plurality of resistive element/resistors (R1, R2 and R3 in Figure 8).

Referring to claims 8-10, 44-46 and 56, Beland discloses that the guard element comprises a plurality of capacitive element/capacitors (See capacitors in Figure 8).

Referring to claims 11-12, 47-48 and 57-58, Beland discloses a plurality of guard elements/capacitive guard (capacitive series 181 or conductive shield segments, column 15, lines 27-34).

Referring to claims 13-15, 49-51 and 59-61, Beland discloses a resistive guard element/resistor (conductive shield segments shown in Figure 8, each with a resistance, are considered as the resistive guard elements/resistors) coupled to the at least one capacitive element (capacitive series 181 in Figure 8), which increases a stability of a voltage drop across the high voltage impedance element/means (resistor series 182 in Figure 8).

Referring to claims 16 and 52, Beland discloses that the guard element (181 or 183 in Figure 8) is coaxially mounted around the high voltage impedance element/means (182 in Figure 8).

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Referring to claims 17-18, 53-54 and 62-63, Beland discloses that the guard element (181 and 183 in Figure 8) shunts stray capacitive current to ground (column 15, lines 31-34), and the shunted capacitive currents stabilize a frequency response of the voltage divider (column 16, lines 19-22).

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Referring to claims 19-36, they are the method claims corresponding to the rejected system claims 1-18 and 37-54. They are rejected for the same reasons as stated above for the rejection of the system claims.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Amy He whose telephone number is (703) 305-3360. The examiner can normally be reached on 8:30am-5pm Monday through Friday. If attempts to reach the examiner by telephone are unsuccessful, the examiner's Supervisor, N. Le can be reached on (703) 308-0750.

The official Fax numbers for the organization are (703-872-9318) Before-Final and (703-872-9319) After-Final Office actions. Any inquiry of a general nature relating to this application should be directed to the receptionist at (703) 305-4900.

AH

April 7, 2003

N. Le Supervisory Patent Examiner Technology Center 2800